**In The United States Patent and Trademark Office
On Appeal From The Examiner To The Board
of Patent Appeals and Interferences**

In re Application of:	Christopher E. Pearce
Serial No.:	09/579,399
Filing Date:	May 25, 2000
Examiner:	Kevin C. Harper
Group Art Unit:	2616
Confirmation No.:	7429
Title:	System and Method for Routing Calls Using Dialing Partitions

Mail Stop: Appeal Brief - Patents
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Second Amended Appeal Brief

Appellant has appealed to the Board of Patent Appeals and Interferences from the decision of the Examiner rejecting Claims 1 -5, 7-9, 12-13, 17-33, 36-54, and 56-63 as evidenced in the Office Action mailed April 5, 2006. Appellant filed a Notice of Appeal and Pre-Appeal Request for Review on July 3, 2006. The Patent Office mailed a Notice of Panel Decision from Pre-Appeal Brief Review on August 18, 2006. Appellant filed an Appeal Brief on September 15, 2006, and the Patent Office mailed a second Notification of Non-

Compliant Appeal Brief on December 5, 2006. This Second Amended Appeal Brief is filed in response.

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Real Party In Interest

This application is currently owned by Cisco Technology, Inc., as indicated by an assignment recorded on August 21, 2000, in the Assignment Records of the United States Patent and Trademark Office at Reel 011015, Frames 0299-0300.

Related Appeals and Interferences

There are no known appeals or interferences which will directly affect or be directly affected by or have a bearing on the Board's decision regarding this appeal.

Status of Claims

Claims 1-5, 7-9 and 12-63 of the present are currently pending. Claims 1-5, 7-9, 12-13, 17-33, 36-54 and 56-63 stand rejected under an Office Action mailed April 5, 2006. The Examiner has indicated that Claims 14-16, 34-35 and 55 would be allowable if rewritten in independent form to include all the limitations of their base claims and any intervening claims. Appellant presents rejected Claims 1-5, 7-9, 12-13, 17-33, 36-54 and 56-63 for appeal. Appendix A shows all pending claims.

Status of Amendments

The Examiner has entered all amendments that were submitted before the Office Action mailed April 5, 2006. No further amendments have been submitted.

Summary of Claimed Subject Matter

Independent Claim 28 of the present application recites a call manager that includes a call control module that is operable to receive a call request from a first device coupled to a packet-based network, where the call request includes a telephone number associated with a second device coupled to the packet-based network (as an example only, and not by way of limitation, see element 102 of Figure 2; Page 12, lines 22-21; Page 14, lines 21-29; Page 72, lines 9-17). The call manager also includes a digit analysis module that is operable to receive the telephone number included in the call request from the call control module, access one or more dialing partition tables based on a partition search space associated with the first device, and determine a routing target associated with one or more telephone numbers in the dialing partition tables that match the telephone number in the call request (as an example only, and not by way of limitation, see element 104 of Figure 2; Page 12, lines 22-21; Page 14, lines 21-29; Page 72, line 17 – Page 74, line 11). Furthermore, the call control module is operable to receive the routing target from the digit analysis module and to communicate the call request to the routing target (as an example only, and not by way of limitation, see Page 74, lines 1-7).

Independent Claim 1 is a method claim that recites a method of routing calls using dialing partitions that includes receiving a call request at a first call manager from a first device coupled to a packet-based network, where the call request including a telephone number associated with a second device coupled to the packet-based network (as an example only, and not by way of limitation, see Page 12, lines 22-21; Page 14, lines 21-29; Page 72, lines 9-17). The method also includes accessing a dialing partition table based on a partition search space associated with the first device and determining a routing target associated with one or more telephone numbers in the dialing partition table that match the telephone number in the call request (as an example only, and not by way of limitation, see Page 12, lines 22-21; Page 14, lines 21-29; and Page 72, line 17 – Page 74, line 11). Furthermore, the method includes communicating the call request to the routing target (as an example only, and not by way of limitation, see Page 74, lines 1-7).

Similarly, independent Claim 45 recites call manager software that is embodied in a computer-readable medium and operable to receive a call request from a first device coupled

to a packet-based network, where the call request including a telephone number associated with a second device coupled to the packet-based network (as an example only, and not by way of limitation, see Page 12, lines 22-21; Page 14, lines 21-29; Page 72, lines 9-17). The software is also operable to access one or more dialing partition tables based on a partition search space associated with the first device and determine a routing target associated with one or more telephone numbers in the dialing partition tables that match the telephone number in the call request (as an example only, and not by way of limitation, see Page 12, lines 22-21; Page 14, lines 21-29; and Page 72, line 17 – Page 74, line 11). Furthermore, the software is operable to communicate the call request to the routing target (as an example only, and not by way of limitation, see Page 74, lines 1-7).

Independent Claim 53 recites a call manager that includes means for receiving a call request from a first device coupled to a packet-based network, where the call request including a telephone number associated with a second device coupled to the packet-based network (as an example only, and not by way of limitation, see call control module 102 of Figure 2; Page 12, lines 22-21; Page 14, lines 21-29; Page 72, lines 9-17). The call manager also includes means for accessing one or more dialing partition tables based on a partition search space associated with the first device and means for determining a routing target associated with one or more telephone numbers in the dialing partition tables that match the telephone number in the call request (as an example only, and not by way of limitation, see digit analysis module 104 of Figure 2; Page 12, lines 22-21; Page 14, lines 21-29; Page 72, line 17 – Page 74, line 11). Furthermore, the call manager includes means for communicating the call request to the routing target (as an example only, and not by way of limitation, see call control module 102 of Figure 2; Page 74, lines 1-7).

Particular embodiments of the present invention may be better understood with reference to Figure 2 of the application. Figure 2 illustrates an exemplary call manager 26a. Call manager 26a includes a number of internal processes that are used to manage and control communication to and from telephony devices (elements 22 and 24 in Figure 1 of the application). These processes include, but are not limited to a call control module 102, a digit analysis module 104, and one or more device processes 108. Call control module 102 is responsible for establishing calls between multiple IP telephony devices or between one or

more IP telephony devices and one or more external telephony devices, such as PBX telephony devices and PSTN telephony devices. *Page 12, lines 22-31.*

When a device 22, 24 wishes to establish communications with another device in communication network 10, the device 22, 24 typically communicates one or more digits to the call manager 26 controlling device 22, 24. The digits identify the device with which communication is requested. *Page 14, lines 7-12.* Digit inputs received by a call manager 26 are communicated to digit analysis module 104. Digit analysis module 104 may receive these digits directly from a device process 108, a call control module 102 (which received the digits from a device process 108) or any other suitable process in the same or a different call manager 26. Digit analysis module 104 may translate the digit input it receives into the process identification (PID) of the device process 108 that is associated with the device 22, 24 designated by the received digits. *Page 14, lines 21-29.*

As an example, and not by way of limitation, assume that telephony device 22a communicates a call request including a digit string to device process 108a. The digit string is a telephone number of telephony device 22h. Device process 108a receives the digit string and communicates the digits to call control module 102. Call control module 102 communicates the digits to digit analysis module 104 to determine the PID of the device process 108 associated with the digits. Digit analysis module 104 performs a table look-up or any other suitable process of determining the PID associated with the digits (the PID of device process 108c) and communicates the PID to call control module 102. Call control module 102 may then communicate with device process 108c or other suitable processes (such as a route list control process or a line control process, described in the application) to initiate a call or other communication between telephony devices 22a and 22h. *Page 15, lines 12-27.*

In addition to location-specific call routing, calls to or from particular telephony devices may need to be restricted for various reasons. As an example only, if a landlord of a building provides a LAN and a call manager 26 to multiple tenants (for example, multiple businesses or other organizations) of the building, each tenant needs to be provided with its own dialing plan. This dialing plan may include a set of internal extensions numbers that are

partitioned from the internal extensions of the other tenants. As an another example, it may be desirable to provide different classes of users in an organization with different levels of dialing access. For example, low-priority users may be prevented from placing certain types of calls, such as long distance calls. *Page 60, line 28 – Page 61, line 9.*

Dialing partitions may be used to implement location-specific, tenant-specific and user-specific dialing arrangements, as well as any other appropriate call routing distinctions. Dialing partitions are implemented by assigning every telephone number that may be called, both internal and external numbers, to a particular dialing partition. Multiple telephone numbers may be represented by a telephone number pattern. Each device 22, 24 is assigned a partition search space that includes the names of one or more of these dialing partitions. A telephony device having a particular telephone number may be called only if the partition search space of the calling device contains a dialing partition that includes the telephone number. The dialing partition(s) in which the telephone number is included associates a routing target with the telephone number indicating a destination to which the call request should be communicated. When a device 22, 24 communicates a call request to a call manager 26, the digit analysis module 104 of the call manager 26 attempts to determine the routing target associated with the telephone number in the call request by searching in the dialing partitions that are listed in the partition search space of the calling device 22, 24. The routing target may be a PID of a device process 108, a route list control process 134, a line control process 152, or any other appropriate destination (the later two examples being described elsewhere in the present application). *Page 61, line 10 – Page 62, line 6.*

Figures 14 and 15 of the application and the associated description illustrate example dialing partition tables 170 and the use of these tables to implement an example dialing plan. Appellant will not discuss these detailed examples in this summary, but refer the Board to these examples if further clarification is needed. *See Page 62, line 7 – Page 72, line 8.*

Figure 16 of the application illustrates a method of routing a call using dialing partition tables. The method begins when a call manager 26 receives a call request from a device 22, 24 at step 802. This call request includes a telephone number of the called telephony device. For example, assume that telephony device 22a sends a call request to call

manager 26a indicating a desired communication with a PSTN telephony device 68 having a telephone number of '1-408-555-5000'. Call manager 26a determines which dialing partition tables 170 are included in the partition search space of telephony device 22a at step 804. This determination may be made based on a partition search space for telephony device 22a that is stored at call manager 26a in any appropriate database (such as the database where dialing partition tables are stored) or based on a partition search space sent by telephony device 22a with the call request. For instance, in the example given in Figure 15 of the application, the partition search space of telephony device 22a includes the following partition tables: ABC dialing partition table 170a, Dallas users dialing partition table 170c, and long distance users dialing partition table 170e. *Page 72, lines 9-28.*

Call manager 26a may access each dialing partition table 170 in the order that they are listed in the partition search space to determine which telephone numbers 172 (see Figure 14) match '1-408-555-5000' (in this example) at step 806. Call manager 26a determines at step 807 whether any matching telephone numbers 172 were found. If no matches were found, the method ends and the call is not placed. If one or more matches are found, call manager 26a determines the routing target 174 (see Figure 14) that is associated with each matching telephone number 172 in the associated dialing partition table 170 at step 808. Based on the dialing partition tables 170 illustrated in Figure 14, call manager 26a finds matching telephone numbers 172 in the Dallas users dialing partition table 170c and the long distance users dialing partition table 170e. The matching telephone number 172 found in Dallas users dialing partition table 170c is '1-408-xxx-xxxx' and is associated with the routing target 'Gateway2' (which represents a routing target associated with gateway device 24c). The matching telephone number 172 found in long distance users dialing partition table 170e is '1-xxx-xxx-xxxx', which is associated with the routing targets 'Gateway1' and 'Gateway2' (which represent a routing target associated with gateway devices 24 a and 24c, such a route list control process 134). *Page 72, line 28 – Page 73, line 19.*

Call manager 26a may determine whether there are more than one matching telephone number 172 at step 810. Since there are two matching telephone numbers 172 in the example given, call manager 26a chooses the telephone number 172 that most closely matches the dialed telephone number at step 812. In this example, the telephone number '1-408-xxx-

xxxx' in Dallas users dialing partition table 170c most closely matches the dialed telephone number. Call manager 26a then determines whether two or more identical telephone numbers 172 were chosen as most closely matching the dialed telephone number at step 814. In the example given, only one telephone number 172 was found to most closely match the dialed telephone number, so call manager 26a communicates the call request to the routing target 174 associated with the matching telephone number 172 at step 816. As described above, this routing target 174 is gateway device 24c (or more accurately, the device process 108 associated with gateway device 24c or a route list control process 134 associated with gateway device 24c). *Page 73, line 20 – Page 74, line 7.*

Grounds of Rejection to be Reviewed on Appeal

Appellant requests that the Board review the Examiner's rejection of Claims 1-5, 7-9, 12-13, 17-22, 24-33, 36-41, 43-49, 51-54, 56-57, and 59-61 under 35 U.S.C. §102(e) as being anticipated by U.S. Patent No. 6,275,574 issued to Oran ("*Oran*"). Appellant also requests that the Board review the Examiner's rejection of Claims 23, 42, 50, 58, and 62-63 under 35 U.S.C. §103(a) as being unpatentable by *Oran* in view of U.S. Patent No. 4,757,267 issued to Riskin ("*Riskin*").

Argument

The Examiner's rejection of Claims 1-5, 7-9, 12-13, 17-33, 36-54 and 56-63 is improper, and the Board should withdraw the rejection for the reasons given below.

I. The Examiner's Rejection of Claims 1-5, 7-9, 12-13, 17-22, 24-33, 36-41, 43-49, 51-54, 56-57, and 59-61 is Improper

The Examiner rejected Claims 1-5, 7-9, 12-13, 17-22, 24-33, 36-41, 43-49, 51-54, 56-57, and 59-61 under 35 U.S.C. §102(e) as being anticipated by *Oran*. Appellant respectfully disagrees with this rejection for the reasons provided below.

A. Independent Claims 1, 28, 45 and 53 Are Allowable

Independent Claims 1, 28, 45, and 53 are allowable because *Oran* does not disclose each and every one of the limitations recited in these claims. For example, *Oran* does not disclose, teach, or suggest "accessing a dialing partition table based on a partition search space associated with the first device," as recited in Claim 1 and as similarly (although not identically) recited in Claims 28, 45, and 53. The Examiner states that dialing partitions and partition search spaces are disclosed in *Oran* in Figures 2A and 3 (item 32) and at Column 5, lines 40-50. Appellant respectfully disagrees that these portions of *Oran* (or any other portions of *Oran*) disclose, teach, or suggest a dialing partition table or a partition search space associated with a particular device.

The Examiner appears to be equating the database 32 of *Oran* as providing a disclosure of both the dialing partition table and the partition search space;[1] however, it discloses neither. *Oran* describes the use of database 32 as follows:

> Referring to FIGS. 2A or 2B, the dial plan mapper 20 in the gateways 18 or 28 or gatekeeper 26 includes a database 32 storing configuration entries 33 that include regular expression match patterns and associated configuration information. Examples of the regular expression match patterns are shown below in FIG. 8. Examples of the associated configuration information is described in further detail below and shown in FIG. 7.

[1] The Examiner states in Paragraph 1 of the April 5, 2006 Office Action (p. 2) that *Oran* discloses a dialing partition table (allegedly, database 32). The Examiner then states that the partition search space consists of one partition table and cites to the same portion of *Oran* that he cited as disclosing the partition table. It does not make sense to argue that these two distinct claim elements are disclosed by the same element – database 32.

> The dial plan mapper 20 receives an input dial scheme 35 from the session application 34 that includes an input dial string. The regular expression match patterns in database 32 are compared with the input dial string. The match pattern 39 that matches the longest string of digits in the input dial string is identified. The configuration information 41 associated with the longest identified match pattern 39 is used by the dial plan mapper 20 to generate an output dial scheme 37 that is sent back to the session application 34.
>
> . . .
>
> The dial plan mapper queries the configuration database 32 for the longest match 44. The match pattern 44 with the longest match is used as an index to identify associated configuration information 46. The session application 34 uses the returned session protocol, and session target from the configuration information 46 to initiate a session with a destination for the presented dial string 42, such as phone 15 on IP network 22.

(*Oran*, Col. 3, lines 47-64; Col. 4, lines 58-61). Furthermore, the Examiner points to the following passage of *Oran* (in the actual rejection in Paragraph 4 of the Office Action):

> Any digit string beginning with a "9" goes to the "best" PBX for reaching that PSTN number. The "best" PBX is determined as the PBX for site A when the area code is 408, and determined as the PBX at site B when the area code is 919. Otherwise, if the calling extension begins with the digit "6" the PBX for site A is used. If the call extension begins with the digit "2" the PBX at site B is used. If the call extension begins with the digit "7", either PBX is used. A bare digit "0" goes to the PBX operator station for the "default" PBX and anything else generates an error.

(*Oran*, Col. 5, lines 41-50). It is clear from these passages that *Oran* does not disclose dialing partition tables or partition search spaces. Instead, *Oran* discloses that for any input dial string, the dial plan mapper accesses a single database (database 32) and attempts to match the input dial string with match patterns in the database to determine how to handle the call (for example, to generate an output dial scheme). For example, as disclosed a Column 5, lines 41-50, a first digit or set of digits in an input dial string may determine the proper PBX to which the call should be directed. There is simply no disclosure of any dialing partition tables or partition search spaces, as evidenced by the fact that a single database 32 is used in an attempt to find the closest matching match pattern for all input dial strings.

To assist the Board in understanding the claim terminology, Appellant directs the Board to pages 61-74 and Figures 14-16 of the Application, which contain a description of particular embodiments of dialing partition tables or partition search spaces (as well as the

Summary of Claimed Subject Matter section above). As an illustrative example only, and not by way of limitation, the Application describes dialing partition tables or partition search spaces as follows:

> Each device 22, 24 is assigned a partition search space that includes the names of one or more of these dialing partitions. A telephony device 22, 54, 68 having a particular telephone number may be called only if the partition search space of the calling device 22, 24 contains a dialing partition that includes the telephone number. The dialing partition(s) in which the telephone number is included associates a routing target with the telephone number indicating a destination to which the call request should be communicated. When a device 22, 24 communicates a call request to a call manager 26, the digit analysis module 104 of the call manager 26 attempts to determine the routing target associated with the telephone number in the call request by searching in the dialing partitions that are listed in the partition search space of the calling device 22, 24.

(Application, Page 61, line 20 – Page 62, line 3). Appellant respectfully submits that there is no disclosure in *Oran* of the claimed dialing partition tables or partition search spaces. More specifically, there is no disclosure in *Oran* that telephone numbers are included in dialing partition tables (i.e., there is no disclosure of "determining a routing target associated with one or more telephone numbers in a dialing partition table that match the telephone number in the call request"). Furthermore, there is no disclosure in *Oran* that a device (such as the claimed first telephony device) has an associated partition search space and that a dialing partition table is accessed *based on the partition search space* of the device from which a call request is received.

For at least these reasons, Claims 1, 28, 45, and 53, as well as the claims that depend from these independent claims, are in condition for allowance. Therefore, Appellant respectfully requests allowance of these claims.

B. <u>Dependent Claim 9 is Allowable</u>

In addition to depending from allowable independent Claim 1, Claim 9 is also allowable because the additional limitation it recites is not disclosed in *Oran*. For example, Claim 7, from which Claim 9 depends, recites "creating a dialing partition table including one or more telephone numbers that are local telephone numbers when called from a first geographic area." Claim 9 further adds that "assigning one or more of the dialing partition tables to the partition search space associated with one or more devices comprises assigning

the dialing partition table to the partition search space of telephony devices allowed to place local calls." *Oran* does not disclose this limitation and the Examiner has not provided any explanation as to how it is disclosed. In fact, the Examiner previously indicated that this limitation was not disclosed in *Oran* (see Office Action mailed July 22, 2005). For at least this addition reason, Appellant requests allowance of Claim 9.

C. Dependent Claims 12 and 13 are Allowable

In addition to depending from allowable independent Claim 1, Claims 12 and 13 are also allowable because they recite additional limitations that are not disclosed in *Oran*. For example, Claim 12 recites "creating a first dialing partition table including one or more telephone numbers associated with a first organization sharing the packet-based network with a second organization; and creating a second dialing partition table including one or more telephone numbers associated with the second organization." Claim 13 further recites "assigning the first dialing partition table to the partition search space of telephony devices associated with the first organization; and assigning the second dialing partition table to the partition search space of telephony devices associated with the second organization." Appellant submits that *Oran* does not disclose these limitations. The Examiner previously referred to Figure 5 (items 62 and 64) and Column 5, lines 41-51 of *Oran* to teach these limitations (see Office Action mailed July 22, 2005 and Office Action mailed April 5, 2006). However, there is no disclosure in *Oran* that the PBXs (items 62 and 64) at different sites are associated with *different organizations*, and there certainly is not a teaching of placing telephone numbers of different organizations in different dialing partition tables or putting these dialing partition tables in different partition search spaces associated with each organization. Column 5, lines 41-51 also does not disclose any of these limitations. Furthermore, the Examiner previously indicated that the limitation of at least Claim 13 was not disclosed in *Oran* (see Office Action mailed July 22, 2005). For at least these additional reasons, Claims 12 and 13 are allowable over *Oran*.

D. Other Dependent Claims are Allowable

In addition to the dependent claims discussed above, many of the other dependent claims include limitations not disclosed in *Oran*. However, the Examiner has not indicated in any Office Action how these limitations are disclosed. For example, the Examiner has not

explained how the limitations of any of Claims 7-8, 17-21, 24-28, 33, 36, 43-48, 51-54, 56 and 59-61 are disclosed. Appellant submits that these limitations are not disclosed, but cannot present further argument since the Examiner has not provided a basis over which to argue. For this reason, in addition to the fact that these claims depend from one of the allowable independent claims discussed above, Appellants request allowance of these claims.

II. The Examiner's Rejection of Claims 23, 42, 50, 58, and 62-63 is Improper

The Examiner rejected Claims 23, 42, 50, 58, and 62-63 under 35 U.S.C. §103(a) as being unpatentable by *Oran* in view of in view of *Riskin*. Although Appellant believes that these claims include limitations not disclosed in either *Oran* or *Riskin*, Appellant submits that these claims are allowable at least because these claims depend from one of the allowable independent claims discussed above. Thus, Appellants respectfully request allowance of Claims 23, 42, 50, 58, and 62-63.

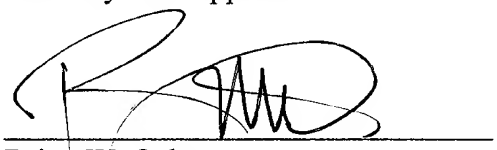
Conclusion

Appellant has demonstrated that the present invention, as claimed, is clearly distinguishable over the prior art cited by the Examiner. Therefore, Appellant respectfully requests the Board of Patent Appeals and Interferences to reverse the final rejection of the Examiner and instruct the Examiner to issue a notice of allowance of all claims.

Appellant does not believe any fees are due for the filing of the Amended Appeal Brief. However, the Commissioner is hereby authorized to charge any other fees or credit any overpayments to Deposit Account No. 02-0384 of BAKER BOTTS L.L.P.

Respectfully submitted,

BAKER BOTTS L.L.P.
Attorneys for Appellant



Brian W. Oaks
Reg. No. 44,981

Date: January 2, 2007

Correspondence Address:

Customer Number 05073

Appendix A: Claims on Appeal

1. (Previously Presented) A method of routing calls using dialing partitions, comprising:

receiving a call request at a first call manager from a first device coupled to a packet-based network, the call request including a telephone number associated with a second device coupled to the packet-based network;

accessing a dialing partition table based on a partition search space associated with the first device;

determining a routing target associated with one or more telephone numbers in the dialing partition table that match the telephone number in the call request; and

communicating the call request to the routing target.

2. (Original) The method of Claim 1, wherein receiving a call request at a first call manager from a first device comprises receiving a call request from an IP telephony device, the call request originating from the IP telephony device.

3. (Original) The method of Claim 1, wherein receiving a call request at a first call manager from a first device comprises receiving a call request from a gateway device, the call request originating from a non-IP telephony device coupled to the gateway device.

4. (Original) The method of Claim 1, wherein receiving a call request at a first call manager from a first device comprises receiving a call request from the first device including a telephone number associated with an IP telephony device.

5. (Original) The method of Claim 1, wherein receiving a call request at a first call manager from a first device comprises receiving a call request from the first device including a telephone number associated with a non-IP telephony device coupled to the packet-based network using a gateway device.

7. (Previously Presented) The method of Claim 61, wherein creating a plurality of dialing partition tables comprises creating a dialing partition table including one or more telephone numbers that are local telephone numbers when called from a first geographic area.

8. (Original) The method of Claim 7, wherein the one or more telephone numbers that are local telephone numbers when called from a first geographic area comprise one or more telephone numbers associated with telephony devices located in a second geographic area and accessible from the first geographic area using a gateway device located in the second geographic area.

9. (Previously Presented) The method of Claim 7, wherein assigning one or more of the dialing partition tables to the partition search space associated with one or more devices comprises assigning the dialing partition table to the partition search space of telephony devices allowed to place local calls.

12. (Previously Presented) The method of Claim 61, wherein creating a plurality of dialing partition tables comprises:

creating a first dialing partition table including one or more telephone numbers associated with a first organization sharing the packet-based network with a second organization; and

creating a second dialing partition table including one or more telephone numbers associated with the second organization.

13. (Previously Presented) The method of Claim 12, wherein assigning one or more of the dialing partition tables to the partition search space associated with one or more devices comprises:

assigning the first dialing partition table to the partition search space of telephony devices associated with the first organization; and

assigning the second dialing partition table to the partition search space of telephony devices associated with the second organization.

17. (Original) The method of Claim 1, wherein accessing one or more dialing partition tables comprises accessing one or more dialing partition tables based on a partition search space stored by the first call manager and associated with the first device.

18. (Original) The method of Claim 1, wherein determining a routing target associated with one or more telephone numbers in the dialing partition tables comprises determining the location of a device control process associated with a telephony device having a telephone number that matches the telephone number in the call request.

19. (Original) The method of Claim 1, wherein determining a routing target associated with one or more telephone numbers in the dialing partition tables comprises determining the location of a device control process associated with a gateway device providing access to a telephony device having a telephone number that matches the telephone number in the call request.

20. (Original) The method of Claim 1, wherein determining a routing target associated with one or more telephone numbers in the dialing partition tables comprises determining the location of a route list control process associated with a plurality of gateway devices, each gateway device providing access to a telephone number that matches the telephone number in the call request.

21. (Original) The method of Claim 1, wherein determining a routing target associated with one or more telephone numbers in the dialing partition tables comprises determining the location of a line control process associated with a telephone number that matches the telephone number in the call request.

22. (Original) The method of Claim 1, wherein determining a routing target associated with one or more telephone numbers in the dialing partition tables comprises:

determining that two or more telephone numbers match the telephone number in the call request; and

selecting the telephone number that most closely matches the telephone number in the call request.

23. (Original) The method of Claim 22, wherein selecting the telephone number that most closely matches the telephone number in the call request comprises:

determining that two or more telephone numbers most closely match the telephone number in the call request; and

selecting the telephone number from the dialing partition listed first in the partition search space.

24. (Original) The method of Claim 1, wherein communicating the call request to the routing target comprises communicating the call request to a process executing at a second call manager.

25. (Original) The method of Claim 1, further comprising modifying the telephone number included in the call request based on the routing target.

26. (Original) The method of Claim 25, wherein modifying the telephone number included in the call request based on the routing target comprises truncating an area code from the telephone number.

27. (Original) The method of Claim 25, wherein modifying the telephone number included in the call request based on the routing target comprises adding an area code to the telephone number.

28. (Previously Presented) A call manager, comprising:

a call control module operable to receive a call request from a first device coupled to a packet-based network, the call request including a telephone number associated with a second device coupled to the packet-based network;

a digit analysis module operable to:

receive the telephone number included in the call request from the call control module;

access one or more dialing partition tables based on a partition search space associated with the first device; and

determine a routing target associated with one or more telephone numbers in the dialing partition tables that match the telephone number in the call request; and

the call control module further operable to receive the routing target from the digit analysis module and to communicate the call request to the routing target.

29. (Original) The call manager of Claim 28, wherein the first device comprises an IP telephony device, the call request originating from the IP telephony device.

30. (Original) The call manager of Claim 28, wherein the first device comprises a gateway device, the call request originating from a non-IP telephony device coupled to the gateway device.

31. (Original) The call manager of Claim 28, wherein the call request includes a telephone number associated with an IP telephony device.

32. (Original) The call manager of Claim 28, wherein the call request includes a telephone number associated with a non-IP telephony device coupled to the packet-based network using a gateway device.

33. (Original) The call manager of Claim 28, wherein the digit analysis module is further operable to:

create a plurality of dialing partition tables; and

assign one or more of the dialing partition tables to the partition search space associated with one or more devices.

36. (Original) The call manager of Claim 28, wherein the digit analysis module is further operable to access one or more dialing partition tables based on a partition search space stored by the first call manager and associated with the first device.

37. (Original) The call manager of Claim 28, wherein the routing target comprises a device control process associated with a telephony device having a telephone number that matches the telephone number in the call request.

38. (Original) The call manager of Claim 28, wherein the routing target comprises a device control process associated with a gateway device providing access to a telephony device having a telephone number that matches the telephone number in the call request.

39. (Original) The call manager of Claim 28, wherein the routing target comprises a route list control process associated with a plurality of gateway devices, each gateway device providing access to a telephone number that matches the telephone number in the call request.

40. (Original) The call manager of Claim 28, wherein the routing target comprises a line control process associated with a telephone number that matches the telephone number in the call request.

41. (Original) The call manager of Claim 28, wherein the digit analysis module is further operable to:

determine that two or more telephone numbers match the telephone number in the call request; and

select the telephone number that most closely matches the telephone number in the call request.

42. (Original) The call manager of Claim 41, wherein the digit analysis module is further operable to:

determine that two or more telephone numbers most closely match the telephone number in the call request; and

select the telephone number from the dialing partition listed first in the partition search space.

43. (Original) The call manager of Claim 28, wherein the call control module is operable to communicate the call request to a process executing at a second call manager.

44. (Original) The call manager of Claim 28, wherein the digit analysis module is further operable to modify the telephone number included in the call request based on the routing target.

45. (Previously Presented) Call manager software embodied in a computer-readable medium and operable to perform the following steps:

receive a call request from a first device coupled to a packet-based network, the call request including a telephone number associated with a second device coupled to the packet-based network;

access one or more dialing partition tables based on a partition search space associated with the first device;

determine a routing target associated with one or more telephone numbers in the dialing partition tables that match the telephone number in the call request; and

communicate the call request to the routing target.

46. (Original) The call manager software of Claim 45, further operable to:

create a plurality of dialing partition tables; and

assign one or more of the dialing partition tables to the partition search space associated with one or more devices.

47. (Original) The call manager software of Claim 45, further operable to access one or more dialing partition tables based on a partition search space received from the first device with the call request.

48. (Original) The call manager software of Claim 45, further operable to access one or more dialing partition tables based on a partition search space stored by the first call manager and associated with the first device.

49. (Original) The call manager software of Claim 45, further operable to:

determine that two or more telephone numbers match the telephone number in the call request; and

select the telephone number that most closely matches the telephone number in the call request.

50. (Original) The call manager software of Claim 49, further operable to:

determine that two or more telephone numbers most closely match the telephone number in the call request; and

select the telephone number from the dialing partition listed first in the partition search space.

51. (Original) The call manager software of Claim 45, further operable to communicate the call request to a process executing at a second call manager software.

52. (Original) The call manager software of Claim 45, further operable to modify the telephone number included in the call request based on the routing target.

53. (Previously Presented) A call manager, comprising:

means for receiving a call request from a first device coupled to a packet-based network, the call request including a telephone number associated with a second device coupled to the packet-based network;

means for accessing one or more dialing partition tables based on a partition search space associated with the first device;

means for determining a routing target associated with one or more telephone numbers in the dialing partition tables that match the telephone number in the call request; and

means for communicating the call request to the routing target.

54. (Original) The call manager of Claim 53, further comprising:

means for creating a plurality of dialing partition tables; and

means for assigning one or more of the dialing partition tables to the partition search space associated with one or more devices.

56. (Original) The call manager of Claim 53, further comprising means for accessing one or more dialing partition tables based on a partition search space stored by the first call manager and associated with the first device.

57. (Original) The call manager of Claim 53, further comprising:

means for determining that two or more telephone numbers match the telephone number in the call request; and

means for selecting the telephone number that most closely matches the telephone number in the call request.

58. (Original) The call manager of Claim 57, further comprising:

means for determining that two or more telephone numbers most closely match the telephone number in the call request; and

means for selecting the telephone number from the dialing partition listed first in the partition search space.

59. (Original) The call manager of Claim 53, further comprising means for communicating the call request to a process executing at a second call manager software.

60. (Original) The call manager of Claim 53, further comprising means for modifying the telephone number included in the call request based on the routing target.

61. (Previously Presented) The method of Claim 1, further comprising:

creating a plurality of dialing partition tables; and

assigning one or more of the dialing partition tables to the partition search space associated with one or more devices.

62. (Previously Presented) The method of Claim 6, wherein creating a plurality of dialing partition tables comprises creating a dialing partition table including one or more telephone numbers that that are long distance telephone numbers when called from a first geographic area.

63. (Previously Presented) The method of Claim 10, wherein assigning one or more of the dialing partition tables to the partition search space associated with one or more devices comprises assigning the dialing partition table to the partition search space of telephony devices allowed to place long distance calls.

Appendix B: Evidence

NONE

Appendix C: Related Proceedings

NONE